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| TO: Examiner Trinh Vo Dinh | FROM: Andrew Y. Pang (Reg. No. 40,114) | | | |
| COMPANY: USPTO Art Unit 2821 | OCTOBER 11, 2005 | | | |
| FAX NUMBER: (571) 273-8300 | TOTAL NO. OF PAGES INCLUDING COVER. 19 | | | |
| PHONE NUMBER: | SENDER'S REFERENCE NUMBER: 022.0008 (1630) | | | |
| RE: | · REFERENCE NUMBER: | | | |
| Request to Correct Inventorship | 10/661,652 | | | |

NOTES/COMMENTS:

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| j ,tra | ANSMITTAL | | Filing Date | <u> </u> | September 12, 2003 | | |
| | FORM | | First Named Inventor | | Richard T. Knadle Jr. | | |
| | | | Art Unit | 2821 | | | |
| (to be used for all | correspondence after initial | filing) | Examiner Name | Trinh ' | /o Dinh | | |
| Total Number of Pr | ages in This Submission | 18 | Attorney Docket Numb | 9r 022.00 | 008 (1630) | | |
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| | grassia Fisher & Lorenz, | P.C. | | | | | |
| Signature | Andrew & | 2/2 | | | | | |
| Printed name Ar | ndrew Y. Pang | | | | | | |
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| Signature | Buch | Wall | Alla. | | | | |
| Typed or printed nam | Andrew Y. Pang | 7 | 7 | | | Date | 10-11-05 |

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| | Richard T. Knadle, JR. et | | Examiner: | Dinh, Trinh \ | 7o |
| Serial No.: | 10/661,652 | | Стоир: | 2821 | |
| Filed: | September 12, 2003 | | | 022.0008 (16 | 30) |
| Titled: | DIRECTIONAL ANTE | NNA ARRAY | | | |
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| CHANGE COmmissioner f P.O. Box 1450 Alexandria, VA | OF INVENTORSHIP AF | TORSHIP IN TER OATH/I | NONPRO | ZISIONAL AP | PLICATION - 37 CFR 1.48(a)) |
| CHANGE (Commissioner f P.O. Box 1450 | OF INVENTORSHIP AF | TORSHIP IN TER OATH/E | NONPRO | ZISIONAL AP | PLICATION - 37 CFR 1.48(a)) |
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Ingrassia Fisher & Lorenz, PC Customer Number 29,906 By: Millelf. La

Respectfully submitted,

Attorney/Agent: Andrew Y. Pang Registration No.: 40,114

Telephone:

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022.0008 (1630) PATENT

OCT 1 1 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard T. Knadle, JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

For: DIRECTIONAL ANTENNA ARRAY

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CONSENT OF ASSIGNEE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned hereby states that the subsequently identified assignment documents evidencing an assignment of the above-identified patent application to Symbol Technologies, Inc. (hereinafter referred to as the "Assignee") have been reviewed, and further certifies that to the best of Assignee's knowledge and belief, the Assignee is the owner of all right, title and interest in the above-identified patent application.

Assignment Documents:

1) filed concurrently herewith for inventor Mark William Duron to Symbol Technologies, Inc. (copy attached hereto as Exhibit A).

022.0008 (1630) PATENT

previously filed for inventors Richard T. Knadle, JR., 2) Hal Charych, Henry Grossfeld, and Raj Bridgelall to Symbol Technologies, Inc., and recorded at Reel 014906 and frame 0375 on 01/22/2004.

The undersigned, whose title is supplied below, further states that he is empowered to act on behalf of the Assignee and hereby consents to amending the inventorship of the above-identified application to include Mark William Duron and exclude Robert P. Pandorf and Minh Luong Ngoc.

Date: 13 Tun 05

Signature:_

Aaron B. Bernstein, Vice President Symbol Technologies, Inc.

PTO/SB/01 (09-04)

Approved for use through 07/31/2006, OMB 0851-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket 022,0008 (1630) DECLARATION FOR UTILITY OR Number First Named Inventor DESIGN Richard T. Knadle, JR. PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) Application Number 10/661,652 Filing Date Declaration Declaration September 12, 2003 Submitted after Initial OR Submitted Art Unit With Initial Filing (surcharge 2821 Filing (37 CFR 1.16 (e)) Examiner Name Dinh, Trình Vọ required) I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DIRECTIONAL ANTENNA ARRAY (Title of the Invention) the specification of which is attached hereto OR was filed on (MM/DD/YYYY) 09/12/03 as United States Application Number or PCT International 10/661,652 and was amended on (MM/DD/YYYY) (if applicable). Application Number I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed. Foreign Filing Date Priority **Certified Copy Attached? Prior Foreign Application** Country Number(s) (MM/DD/YYYY) Not Claimed YES

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/028 attached hereto.

[Page 1 of 2]
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| NAME OF SOLE OR FIRST I | NVENTOR: | | | etitio | n has | been filed f | for this | s unsig | ned inventor | |
| Given Name (first and middle | [if any]) | | | Family Name or Surname | | | | | | |
| RICHARD T. | | | | KNADLE, JR. | | | | | | |
| Inventor's Signature | | | | | | | | | Date | |
| Residence: City | State | | | Cot | ıntry | | 1 | Citize | nship | |
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| City | State | | | Zip | | | | Country | | |
| DIX HILLS | NEW YORK | | | | 117 | 46-5858 | | USA | | |
| NAME OF SECOND INVENTO | R: | | | |] A | petition has | s beer | n filed i | for this unsigned inventor | |
| Given Name (first and middle [| f any]) | | | | | Family Nan | ne or | Surnar | ne | |
| MARK WILLIAM | | | | | 1 | DURON | | | | |
| Inventor's Signature | | | | | | | | | Date | |
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| Mailing Address 1408 LA BONNE VIE DRIVE | | | | | | | | | | |
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| EAST PATCHOGUE | NEW YORK | | | | 11772 | 2 | | USA | | |
| Additional inventors or a legal rep | presentative are being | nemed on | the 1 su | polem | ental si | neet(s) PTO/SI | B/02A c | r 02LR : | attached hereto. | |

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| DECLARATION | ADDITĪ | ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1 | | | | |
|---|------------------------|---|-----------------------|---------------------|---------------------|--|
| Name of Additional Joint Inventor, if | any: | Ap | etition has been file | d for this unsigned | I inventor | |
| Given Name (first and middle (if a | | Family Na | me or Surname | | | |
| HAL / | / | CHARYCH | | | | |
| Inventor's Hall Manual | | | | Date | 9/31/05 | |
| Poquott Residence; City | New York State | | U.S.A. Country | U.S. Citize | nship | |
| 2 The Overlook | | | | | | |
| Mailing Address | | • | | | | |
| POQUOTT : | NEW YORK State | | 11733 Zip | USA Count | dr v | |
| Name of Additional Joint Inventor, if a | лу: | ☐ A pe | ution has been filed | d for this unsigned | inventor | |
| Given Name (first and middle (if an | Family Name or Surname | | | | | |
| HENRY | GROSSFEL | GROSSFELD | | | | |
| Inventor's Signature | | | | Date | · | |
| Great Neck | New York | | U.S.A. | | U.S. | |
| Residence: City | State | | Country | | Citizenship | |
| 50 NASSAU ROAD Mailing Address | | | | | | |
| GREAT NECK City | NEW YORK State | | 11021 Zlp | USA Count | v | |
| Name of Additional Joint Inventor, if a | ny: | A per | ition has been filed | • | | |
| Given Name (first and middle (if any |)) | Family Name or Surname | | | | |
| RAJ | | BRIDGELALL | | | | |
| Inventor's Signature | | | | Date | | |
| torgan Hill Residence: City | California State | | U.S.A. Country | | J.S. Citizenship | |
| .O. Box 2095 | | | - | • | | |
| Mailing Address | | | | | | |
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| DECLARATION FOR UTILITY OR | Attomey Docket Number | 022.0008 (1630) | | | | | | |
| DESIGN | First Named Inventor | Richard T. Knadle, JR. | | | | | | |
| PATENT APPLICATION | COA | MPLETE IF KNOWN | | | | | | |
| (37 CFR 1.63) | Application Number | 10/861,652 | | | | | | |
| Declaration Oeclaration | Filing Date | September 12, 2003 | | | | | | |
| Submitted OR Submitted after Initial With Initial Submitted Filling (surcharge | Art Unit | 2821 | | | | | | |
| Filing (37 CFR 1.16 (e)) required) | Examiner Name | Dinh, Trinh Vo | | | | | | |
| I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DIRECTIONAL ANTENNA ARRAY | | | | | | | | |
| (Title of the the specification of which is attached hereto | | | | | | | | |
| OR ✓ was filed on (MM/DD/YYYY) 09/12/03 | as United States App | cilication Number or PCT international | | | | | | |
| Application Number 10/661,652 and was amende | od on (MM/DD/YYYY) | (if applicable). | | | | | | |
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| | | sheet PTO/SB/02B attached hereto. | | | | | | |

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| and belief are believed to be statements and the like so may | I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. | | | | | | | |
| NAME OF SOLE OR FIRST I | NVENTOR: | _ ∏ Ar | etition | has | been filed for th | is unsig | aned inventor | |
| Given Name (first and middle | [if any]) | | PEC . | | Family Name | | | |
| RICHARD T. | | | | | KNADLE, JR. | | | |
| Inventor's Signature | | · · | | | | | Date | |
| Residence: City | State | | Cou | ntry | · | Citize | enship | |
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| NAME OF SECOND INVENTO | DR: | | |] A | petition has be | en filed | for this unsigned inventor | |
| Given Name (first and middle | [if any]) | | | | Family Name or | | | |
| MARK WILLIAM | | | | 1 | DURON | | | |
| Inventor's Signature | | | | | | | Date | |
| Residence: City | State | | Cour | ntry | | l | nship | |
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to recollection of information unless it contains a valid OMB control number ADDITIONAL INVENTOR(S) DECLARATION Supplemental Sheet Page 1 A petition has been filed for this unsigned inventor Name of Additional Joint Inventor, If any: Given Name (first and middle (If any)) Femily Name or Surname HAL CHARYCH inventor's Date Signature Poquatt A.S.U U.S. New York State Citizenship Residence: City Country 2 The Overlook Mailing Address POQUOTT **NEW YORK** 11733 USA State Zip Country City Name of Additional Joint Inventor, if any: A pathton has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Sumame HENRY GROSSFELD Signature Date U.S. Great Nack U.S.A Residence: City State Country Citizenship 50 NASSAU ROAD Mailing Address **GREAT NECK** NEW YORK USA State Zip Country City Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname BRIDGELALL RAJ Inventor's Signature U.S.A. U.S. Morcan Hill California **State** Country Citizenship Residence: City P.O. Box 2095 Mailing Address

State City Zip Country This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time with vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademerk Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MORGAN HILL

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PTO/SB/01 (09-04)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket 022.0008 (1630) Number **DECLARATION FOR UTILITY OR** First Named Inventor DESIGN Richard T. Knadle, JR. PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) Application Number 10/661,652 Filing Date Declaration Declaration September 12, 2003 Submitted after Initial Submitted OR With Initial Filing (surcharge (37 CFR 1.16 (e)) Art Unit 2821 Filina

| | requi | red) | Examine | r Name | Dinh, Trình Vo | | | | |
|---|---|-------------------------|--------------|---------------------|------------------------|-------------------|--|--|--|
| I hereby declare that: | | | | | | | | | |
| Each inventor's resider | nce, mailing address | , and citizenship are | as stated l | below next to the | elr name. | | | | |
| | I believe the Inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: | | | | | | | | |
| <u> </u> | DIRECTIONAL ANTENNA ARRAY | | | | | | | | |
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| the specification of which | ^h | (Title of the | Invention) | | | | | | |
| is attached here | | | | | | | | | |
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| OR was filed on (MM | | 0014000 | ٦ | | | | | | |
| was filed on (MM | NDDYYYY) | 09/12/03 | as Uni | ted States Appli | ication Number or P | 'CT International | | | |
| Application Number | 10/661,652 | and was amended | IVMM) no t |) (YYYYOC | | (if applicable). | | | |
| I hereby state that I hav amended by any amend | | | of the abo | ve Identified spe | acification, including | the claims, as | | | |
| I acknowledge the duty | | | riel to mate | entahilih as del | finad in 37 CFR 1 | 58 including for | | | |
| continuation-in-part app and the national or PCT | olications, material in | formation which beca | ame avail | able between th | | | | | |
| I hereby claim foreign | priority benefits und | er 35 U.S.C. 119(a)- | -(d) or (f), | or 365(b) of a | | | | | |
| inventor's or plant breed country other than the L | | | | | | | | | |
| application for patent, in before that of the applica- | entor's or plant bre | eder's rights certifica | | | | | | | |
| Prior Foreign Applica | tion | Foreign Filing | | Priority | | opy Attached? | | | |
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| Additional forei | ign application numb | ers are listed on a su | polements | al priority data si | heet PTO/SB/02B a | attached hereto. | | | |

[Page 1 of 2]

[Page 1 of Z]
This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Oct. 11. 2005 2:19PM INGRASSIA FISHER & LORENZ PC

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number. **DECLARATION** — Utility or Design Patent Application ÓŔ Correspondence The address Direct all 29,906 associated with address below correspondence to: Customer Number: Name Address ZIP City State Fax Country Telephone I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful faise statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor Family Name or Sumame Given Name (first and middle [if any]) KNADLE, JR. RICHARD T. Date Inventor's Signature Residence: City Country Citizenship U.S. U.S.A. DIX HILLS New York Mailing Address 316 VANDERBILT PKWY Country State Zip City **NEW YORK** 11746-5856 USA DIX HILLS A petition has been filed for this unsigned inventor NAME OF SECOND INVENTOR: Given Name (first and middle [if any]) Family Name or Surname DURON MARK WILLIAM Inventor's Signature 23-99 Citizenship Residence City Country NEW YORK USA U.S. EAST PATCHOGUE Mailing Address 1408 LA BONNE VIE DRIVE Zip Country State 11772 USA **NEW YORK EAST PATCHOGUE**

[Page 2 of 2]

supplemental sheet(s) PTO/SB/02A or 02LR attached hereio.

Additional inventors or a legal representative are being named on the 1

PTO/SB/02A (09-04)

Approved for use through 07/31/2008. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE pond to a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are required to re-ADDITIONAL INVENTOR(S) DECLARATION Supplemental Sheet Page J A petition has been filled for this unsigned inventor Name of Additional Joint Inventor, if any: Family Name or Sumame Given Name (first and middle (if any)) CHARYCH HAL Inventor's Date | Signature u.s. New York U.S.A. Poguati Citizenship Country State Residence: City 2 The Overlook Mailing Address USA 11733 POQUOTT NEW YORK Zip Country State City Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname HENRY GROSSFELD Inventor's Signature v.s. A.P.U Great Neck New York Citizenship Country Residence: City State **60 NASSAU ROAD** Mailing Address **USA** 11021 GREAT NECK **NEW YORK** Country State City Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Sumame BRIDGELALL RAJ Inventor's Date Signature U.S. U.S.A Cattornia Morgan Hill Country Citizenship State Residence: City P.O. Box 2095 Mailing Address USA MORGAN HILL CALIFORNIA 95038 Country State Zip City

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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS** INDICATION FORM

| Application Number | 10/661,652 | |
|------------------------|---------------------------|--|
| Filing Date | September 12, 2003 | |
| First Named Inventor | Richard T. Knadle, Jr. | |
| Title | DIRECTIONAL ANTENNA ARRAY | |
| Art Unit | 2821 | |
| Examiner Name | Dinh, Trinh Vo | |
| Attorney Docket Number | 022.0008 (1630) | |

| I here | by revoke | all previo | us powers of attorney giver | n in the above-id | entified | application. | | |
|-------------------|---------------------------------|---------------------------|---|--------------------------|------------|---------------------|---------------------|--------------------|
| I here | by appoint | t: | - | | | | | |
| × | Practitions | ers associa | ited with the Customer Number | r: | 29,906 | | | |
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| X | Practitione | r(s) name | d below: | | | | | |
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| | Glenn F. | Frankenbe | emer | 41,024 | | | | |
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| | Applicant/In | | | | | | | |
| | Assignee of Statement u | record of under 37 C | the entire interest. See 37 CF FR 3.73(b) is enclosed. (Form | R 3.71. n PTO/SB/96). | | | | |
| | • | | ALGNATURE of | Applicant or Ass | ignee of | Record | | |
| Signature | ÷ | nic | nk JUsa | ~ | | Date | 9-22- | 70 |
| Name | | Mark Will | liam Duron | | | Telephone | 631-738-5041 | |
| Title and | Company | RF | EUSINDER, SU | mbal To | cho | 2018 2/105 | | |
| NOTE: Si | gnatures of a ure is require | Il the invent | ors or assignees of record of the e | ntire interest or their | represent | ative(s) are requir | ed. Submit multiple | forms if more than |
| •Tc | otal of | forms s | re submitted. | | | | | |

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022.0008 (1630) PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

:

Richard T. Knadle JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

Mark William Duren

For: DIRECTIONAL ANTENNA ARRAY

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Date of Deposit Androw Y. Pans Type or Print Name of Person Signing Certificate

STATEMENT OF MARK W. DURON

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450:

Sir:

I, Mark William Duron, hereby state that I am a joint inventor of United States Patent Application Serial No.10/661,652, filed on September 12, 2003, having the following title of invention: "DIRECTIONAL ANTENNA ARRAY."

Furthermore, I, Mark William Duron, hereby state that the error in inventorship

accurred without deceptive intention.

Signature:

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022.0008 (1630) PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

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Atty Docket No.: 022.0008 (1630)

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Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

For: DIRECTIONAL ANTENNA ARRAY

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10-11- ed

STATEMENT OF MINH LUONG NGOC

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I, Minh Luong Ngoc, hereby state that I am not a joint inventor of United States Patent Application Social No.10/661,652, filed on September 12, 2003, having the following title of invention: "DIRECTIONAL ANTENNA ARRAY."

Furthermore, I, Minh Luong Ngoc, hereby state that the error in inventorship occurred without deceptive intention.

Date: aug. 23/2005

Signature:

Minh Luong Ngoc

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OCT 1 1 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard T. Knadle JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

Robert P/ Pandorf

For: DIRECTIONAL ANTENNA ARRAY

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10 - 11-05 Date of Deposit Andrew Y. Panz Type or Print Name of Person Signing Cartificate SIGNATURE

STATEMENT OF ROBERT P. PANDORF

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I, Robert P. Pandorf, hereby state that I am not a joint inventor of United States Patent Application Serial No.10/661,652, filed on September 12, 2003, having the following title of invention: "DIRECTIONAL ANTENNA ARRAY."

Furthermore, I, Robert P. Pandorf, hereby state that the error in inventorship

occurred without deceptive intention.

Signature: